Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/22/2022 08:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124455	-1	1.51	124339	1.49
Blue	F	SSC	125000	123739	-2	3.09	124296	2.98
Blue	E	FITC	15860	15233	-4	2.27	371	14.37
Blue	D	PE	27718	27088	-3	1.74	629	10.18
Blue	B	PerCP-Cy5-5	38046	37367	-2	2.98	1022	14.83
Blue	A	PE-Cy7	26092	25893	-1	4.97	508	31.08
Red	C	APC	49104	48819	-1	2.66	1721	11.61
Red	A	APC-Cy7	28201	27494	-3	2.99	725	12.17
Violet	B	V450	9904	9454	-5	3.67	528	12.08
Violet	A	V500	39004	37187	-5	3.25	973	9.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24034	1.94	565	-4	N/A	N/A	Pass
Blue	F	SSC	55344	1.64	520	-8	N/A	N/A	Pass
Blue	E	FITC	57	55.60	489	-2	0.0402	56	Pass
Blue	D	PE	123	39.65	495	-1	0.5400	492	Pass
Blue	B	PerCP-Cy5-5	139	44.33	588	-1	0.0199	62	Pass
Blue	A	PE-Cy7	63	94.35	631	-1	0.0208	0	Pass
Red	C	APC	331	26.07	578	-3	0.0259	72	Pass
Red	A	APC-Cy7	95	43.16	550	-5	0.0064	1287	Pass
Violet	B	V450	86	52.09	454	-4	0.0530	2371	Pass
Violet	A	V500	122	38.12	465	-4	0.0245	2187	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.89	-31.59	1.16
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.15	13.90 - 20.86	N/A	N/A	29.81	30.11	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9710

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments